

An access device with an internet lock out feature for "always on" WAN to LAN connections is provided. The access device includes a high speed data port adapted to be connected to an internet and voice service connection. A data port logic transfer layer is connected between the high speed data port and at least one access device local port. A voice service layer is connected to the high speed data port. A user activated switch is provided having a first state in which the data port logic transfer layer is active, and a second state in which the data port logic transfer layer connection to the high speed data port is disabled and the voice service layer remains active.